

This wiki shows how to effectively demonstrate square foot and cost data in a manner suitable for a presentation.

This tutorial assumes that you have already taken off the all of the square foot data needed. From here it is best to break down the data into more manageable chunks. In this case the data is broken out by phase. Within Phase 1 each space is listed and the designed square footage is compared to the given program; a variance is also provided for each space. The total at the bottom demonstrates how far off the design of Phase 1 is from the given program.

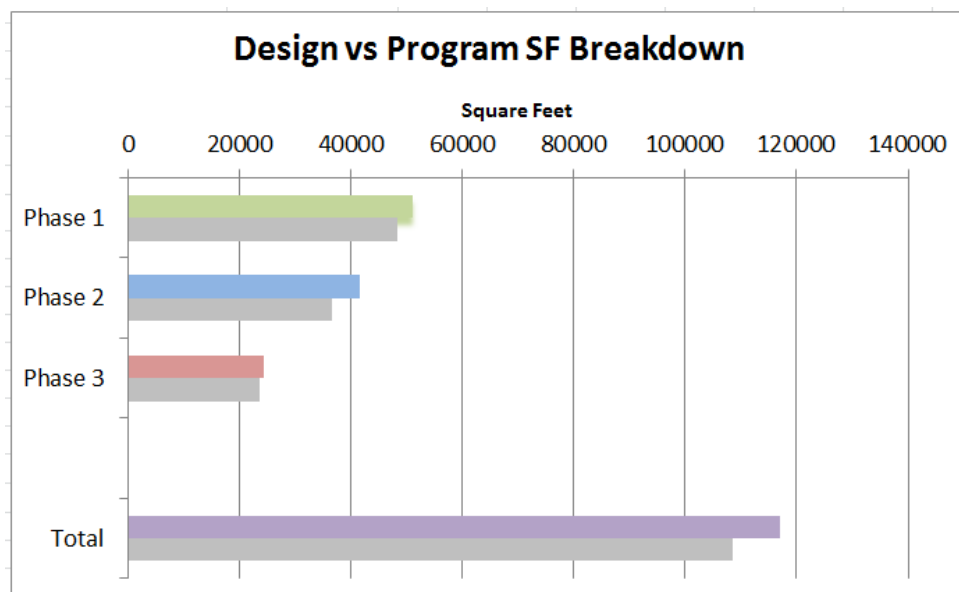
<b>Phase 1</b>			
	Design (sf)	Program (sf)	Variance (sf)
Vestibule	268	250	18
Welcome/Control Desk	497	500	-3
Lobby/Guest Seating	1002	1000	2
Fitness	15257	15750	-493
Fitness Control Desk	242	250	-8
Fitness Storage/Workroom	600	600	0
Group Exercise MP Studios	8294	7500	794
Group Exercise Mp Studio Storage	888	750	138
Directors Office	172	180	-8
Associate Director's Office	162	150	12
FT Rec/IM Staff	554	480	74
FT Rec/IM Staff	340	260	80
PT Staff	277	260	17
Student Staff	190	200	-10
Reception/Guest Waiting	187	180	7
Conference Room	351	350	1
Work Room	255	250	5
Office Storage	73	75	-2
Break Room/Pantry	254	250	4
Personal Daylockers	373	380	-7
Vertical Circ Core- Elevator -Main	2090	2000	90
Secure Building Storage	754	750	4
Mech/Struct/Circ/RR	17897	15987	1910
<b>Total</b>	<b>50977</b>	<b>48352</b>	<b>2625</b>

The above graphic is very informative, but it is not visually interesting and it is far too detailed. This chart would be best suited for an appendix rather than for a main slide in a presentation.

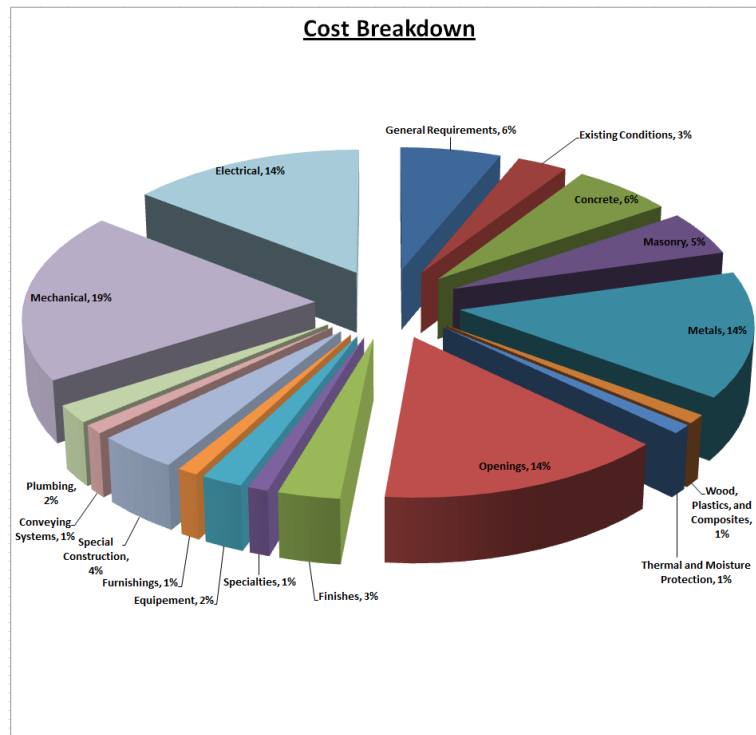
The chart below is much simpler than the previous chart, and still gets across the important information. This is a good slide to have near the end of the presentation to inform the owner of the variance between your design and the program on a large scale. However this graphic is still rather uninteresting.

Program Analysis			
	Designed (sf)	Program (sf)	Variance (sf)
Phase 1	50977	48352	2625
Phase 2	41664	36647	5017
Phase 3	24446	23450	996
Renovation	14410	14410	0
Total	131497	122859	8638

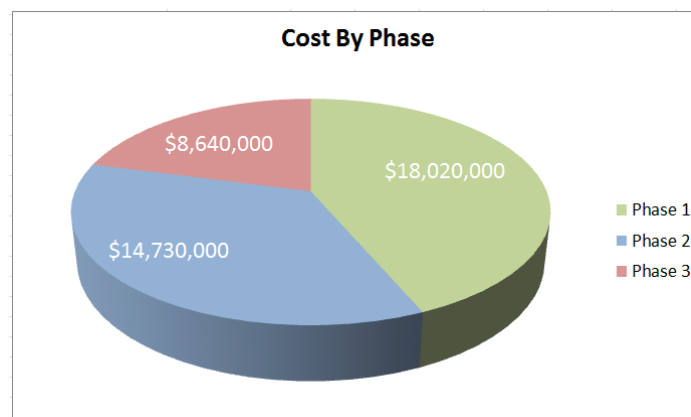
The graph below effectively displays the important information in a concise way. The colors used here correspond to the colors used in site phasing to help provide some context with the building. This is a great way to get across square foot data as simply as possible without getting bogged down in the details. The breakout by space is still important, but as stated before it should be saved for the appendix.



Cost data can also be displayed in a similar manner. The cost per line item is vital in terms of getting a detailed estimate but the owner is probably not interested in the details, they are looking for the overall costs. It can be effective to show the costs as a percentage of the total. In this case the graph gives a cost per CSI Masterformat Category. Even this graph can be too overwhelming and could be simplified into a few smaller categories.



The graph below shows how simply cost data can be broken out by phase in an interesting way. Again the colors are the same thru ought the presentation to ensure continuity.



When displaying technical numerical data like costs or square foot takeoffs it is crucial to make the information visually interesting and as simple as possible. What matters most to the owner is the bottom line, so don't hide it in a table, give it shape with a chart or graph.